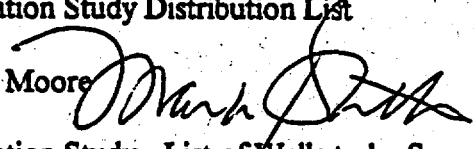


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June 6, 1996

TO: ORS Intrinsic Remediation Study Distribution List

FROM: Mark Stella, Dames & Moore 

SUBJECT: ORS Intrinsic Remediation Study - List of Wells to be Sampled
[ORS-IRNOT-0001]

Attached is the list of wells to be sampled during the intrinsic remediation study and the proposed types of samples to be collected from each. Wells are categorized as follows:

- o Standard 2" wells newly installed (numbered 50 and higher) - 9
- o Standard 2" wells already present on the site (numbered 22 through 49) - 20
- o Operable BarCad wells (numbered 21 and lower) - 9

The well designations S, M, and D indicate shallow, mid-level, and deep sample locations, respectively. For wells numbered below 50, the approximate elevation of well sample locations are described in the ORS Remedial Investigation Report, Tables 1-7 and 9-1. The new wells are being installed as 2" PVC wells with PVC screens. Screen lengths for the new wells adhere to the standard used for construction of wells ERT-40 through 49: a 15 foot screen for shallow wells, and a 5 foot screen for deep wells. Approximate depths for shallow and deep wells respectively are 35 feet below ground surface and 60 - 65 feet below ground surface.

Attached is a map of the ORS with approximate well locations identified. Locations and casing elevations are being developed for each of the wells to be used in the study (no casing elevation data will be developed for BarCad wells). Boring logs and well installation details for the new wells are also being prepared. Boring logs for wells installed during the RI (numbered 40 and above) are included in the Appendices to the RI Report. A summary description of the installation and operation of the BarCad wells can be found in Section 1 of the RI Report. BarCad wells are limited in the amount of sample volume that can be produced during a single pressurization, especially from the mid-level and shallow samplers.

Enclosures: Table - Wells To Be Sampled/Sampling Logic
Figure - Locations of Numbered Wells

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ORS INTRINSIC REMEDIATION STUDY
WELLS TO BE SAMPLED AND WELL SAMPLING LOGIC

DAMES & MOORE

Well Designation	Field Parameters	VOCs (GC/MS)	Phenols (GC/MS)	GeoChemical Parameters	Dissolved Gases	Comments
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New Wells - Standard 2"

1	50 S	X	X		X	X	
2	50 D	X	X		X	X	
3	51 S	X	X		X	X	
4	51 D	X	X		X	X	
5	52 D	X	X		X	X	
6	53 S	X	X		X	X	
7	53 D	X	X		X	X	
8	54 D	X	X		X	X	Paired w 45 S
9	55 S	X	X		X	X	Paired w 33 D

Existing (Paired) Wells - Standard 2"

10	49 S	X	X		X	X	
11	49 D	X	X		X	X	
12	45 S	X	X		X	X	Paired w 54 D
13	33 D	X	X		X	X	Paired w 55 S

Existing Wells - Standard 2"

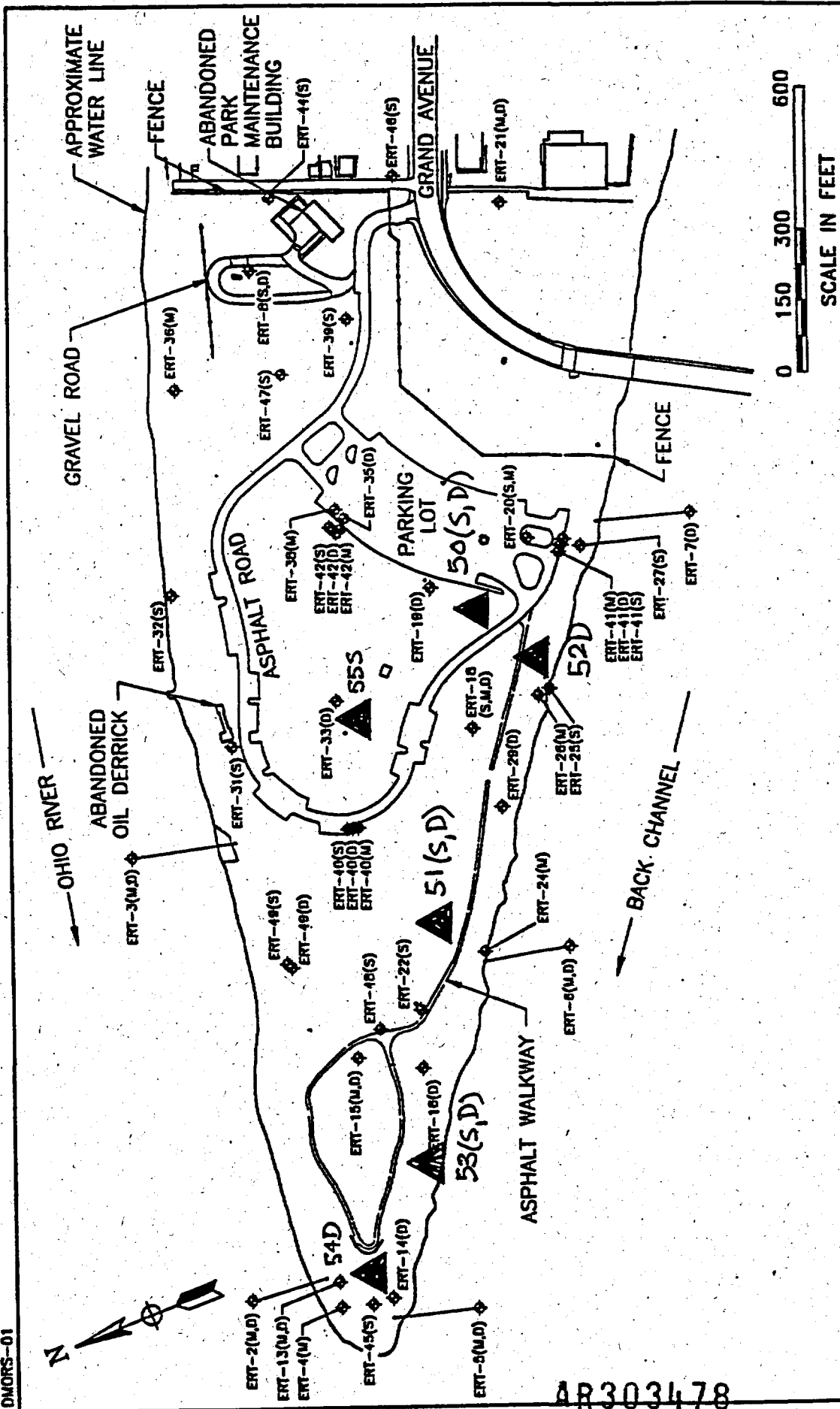
14	40 S	X	X		X	X	
15	40 D	X	X		X	X	
16	41 S	X	X	X	X	X	
17	41 D	X	X	X	X	X	
18	42 S	X	X		X	X	
19	42 D	X	X		X	X	
20	44 S	X	X		X	X	Background
21	46 S	X	X		X	X	Background
22	48 S	X	X		X	X	
23	22 S	X	X		X	X	
24	25 S	X	X	X	X	X	
25	27 S	X	X	X	X	X	
26	29 D	X	X		X	X	
27	31 S	X	X		X	X	
28	41 M	X	X	X	X	X	
29	26 M	X	X	X	X	X	

Barcad Wells

30	21 D	X	X		X *	X	Background
31	18 S	X	X			X	
32	18 M	X	X			X	
33	18 D	X	X		X *	X	
34	16 D	X	X		X *	X	
35	6 M	X	X			X	
36	6 D	X	X		X *	X	
37	5 M	X	X			X	
38	2 M	X	X			X	

* To extent possible consistent with sample volume requirements

DNORS-01



EXPLANATION
ERT-16(D) ♦ BARCAD MONITORING WELL
ERT-24(M) ♦ STANDARD MONITORING WELL
(S) SHALLOW
(M) MEDIUM
(D) DEEP

NOTE:
THIS FIGURE WAS PREPARED USING THE REPORT ENTITLED:
"DRAFT RI/FS WORK PLAN, OHIO RIVER SITE," FEBRUARY 1992
AND GATEWAY ENGINEERS FLYOVER SURVEY FILE (PRELIMINARY) DATED 4/1/98

OHIO RIVER SITE NEVILLE TOWNSHIP, PENNSYLVANIA
FIGURE MONITORING WELL LOCATIONS MAY 8, 1996
JOB NO.: 30087-004-120 DAMES & MOORE

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